

STORMWATER STRUCTURE REPAIR

PROJECT NO. 565-13-119

DEPARTMENT OF VETERANS AFFAIRS FAYETTEVILLE, NORTH CAROLINA



CIVIL LEGEND		
EXISTING		NEW
	MANHOLE	
	SANITARY CLEANOUT VALVE	
	WATER METER	
	FIRE HYDRANT	
	WELL	
	DROP INLET	
	CURB INLET	
	GAS METER	
	POWER POLE	
	LIGHT POLE	
	LIGHT POLE /CONCRETE BASE PEDESTAL	
	CURB AND GUTTER	
	FENCE	
	PROPERTY LINE	
	BUILDINGS	
	STORM SEWER	
	SANITARY SEWER	
	WATER	
	ELECTRIC & TELEPHONE LINE	
	TRAFFIC BOX	
	SIGN	
	TREE	
	BUSH	
	PAVEMENT SECTION 1	
	PAVEMENT SECTION 2	
	CONCRETE	
	TEMPORARY BENCHMARK (TBM)	
	ELEVATIONS	
	TOP OF CURB ELEVATIONS	
	TOP/BOTTOM OF WALK ELEVATIONS	

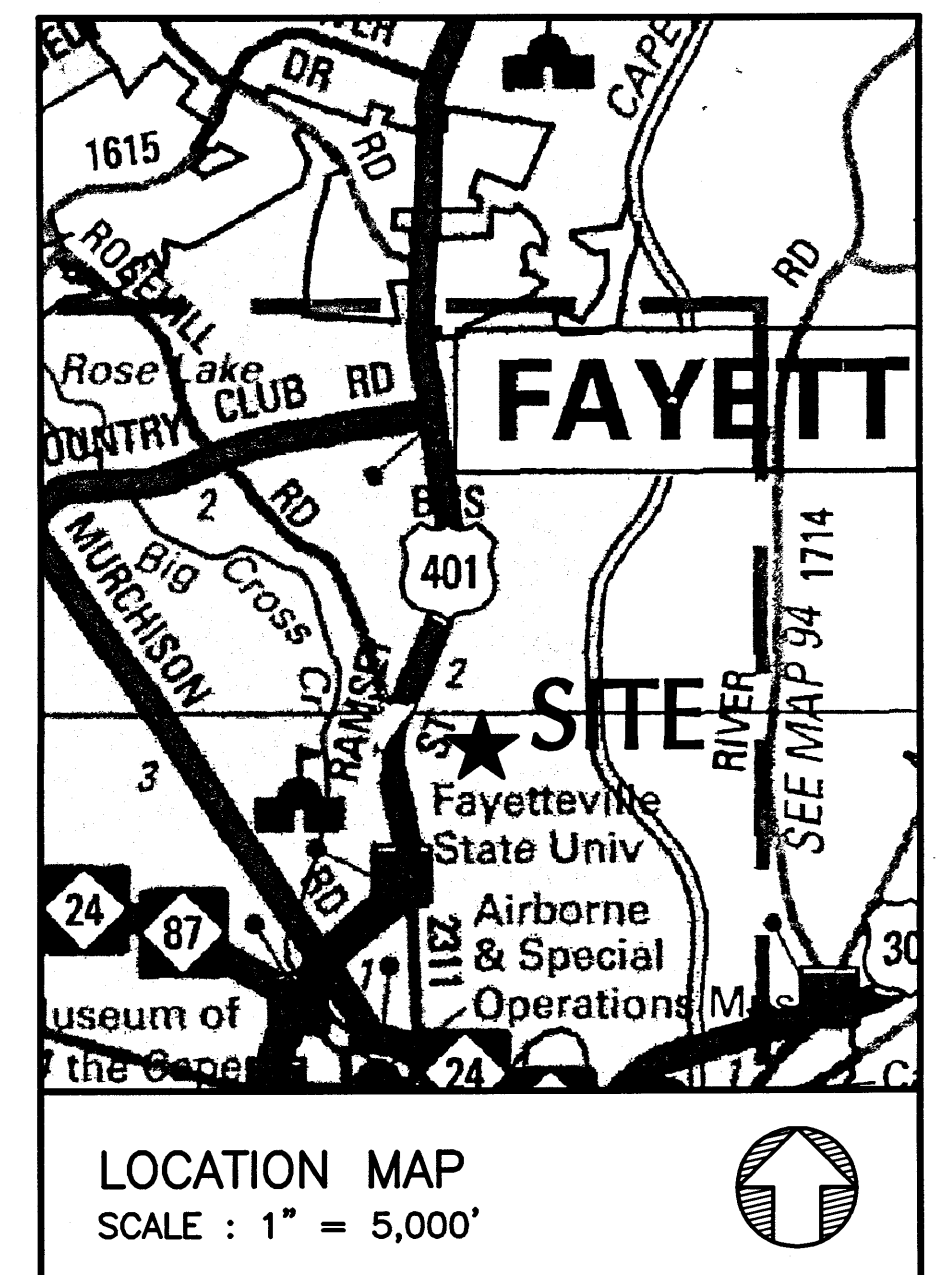
ABBREVIATIONS			
AC	AIR CONDITIONING	MOD	MODIFIED
APPROX	APPROXIMATE	MON	MONITORING
BLDG	BUILDING	N	NORTH
BOT	BOTTOM	NE	NORTHEAST
BW	BARBED WIRE	NIC	NOT IN CONTRACT
CI	CURB INLET	NO	NUMBER
CIP	CAST IRON PIPE	NTS	NOT TO SCALE
CL	CENTER LINE	NW	NORTHWEST
CLF	CHAIN LINK FENCE	OAE	OR APPROVED EQUAL
CMP	CORRUGATED METAL PIPE	OC	ON CENTER
CO	CLEANOUT	PED	PEDESTAL
CONC	CONCRETE	PIV	POST INDICATOR VALVE
DATR	DIGITIZED ACCORDING TO RECORDS	P/P	POWER POLE
DH	DRILL HOLE	PVC	POLYVINYL CHLORIDE
DI	DROP INLET	REQ'D	REQUIRED
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
E	EAST	ROICC	RESIDENT OFFICER IN CHARGE OF CONSTRUCTION
ELEC	ELECTRIC	R/R	RAILROAD
ELEV	ELEVATION	S	SOUTH
EW	EACH WAY	SAN	SANITARY
EXIST	EXISTING	SCO	SANITARY CLEANOUT
FH	FIRE HYDRANT	SE	SOUTHEAST
FL	FLOW LINE	SW	SOUTHWEST
FF	FINISHED FLOOR	STA	STATION
FM	FORCE MAIN	TBM	TEMPORARY BENCHMARK
FT	FEET	STY	STORY
GAL	GALLON	TDH	TOTAL DYNAMIC HEAD
GPM	GALLONS PER MINUTE	TEL	TELEPHONE
HYD	HYDRANT	TEMP	TEMPORARY
IN	INCH	TRANS	TRANSFORMER
INV	INVERT	TYP	TYPICAL
LF	LINEAR FEET	UG	UNDERGROUND
L/P	LIGHT POLE	UNO	UNLESS NOTED OTHERWISE
MAS	MASONRY	VERT	VERTICAL
MAX	MAXIMUM	W	WEST
MG	MATCH GRADE	W/	WITH
MH	MANHOLE	WV	WATER VALVE
MIN	MINIMUM		

SHEET INDEX

- C1.0 COVER SHEET - INDEX OF SHEETS
- C2.0 OVERALL PLAN & SHEET LAYOUT
- C2.1 CONSTRUCTION PHASING FOR ACCESS ROAD
- C3.0 TOPOGRAPHIC SURVEY
- C3.1 TOPOGRAPHIC SURVEY
- C4.0 DEMOLITION, EROSION & SEDIMENT CONTROL PLAN
- C4.1 DEMOLITION, EROSION & SEDIMENT CONTROL PLAN
- C5.0 STORM SEWER IMPROVEMENT PLAN
- C5.1 STORM SEWER & ROAD IMPROVEMENT PLAN
- C6.0 PLAN & PROFILE - ACCESS ROAD
- C7.0 GENERAL NOTES & DETAILS
- C7.1 GENERAL NOTES & DETAILS
- C7.2 DETAILS
- C7.3 DETAILS
- C7.4 DETAILS

SITE DATA

TOTAL SITE AREA: ±58.43 AC
DISTURBED AREA: ±0.99 AC
TAX MAP PARCEL ID: 0438-77-0262
ZONING DISTRICT: SF6
WATERSHED: UPPER CAPE FEAR
LATITUDE/LONGITUDE: N 35°05'21" / W 78°52'35"
PROPOSED USE: EXISTING VA HOSPITAL



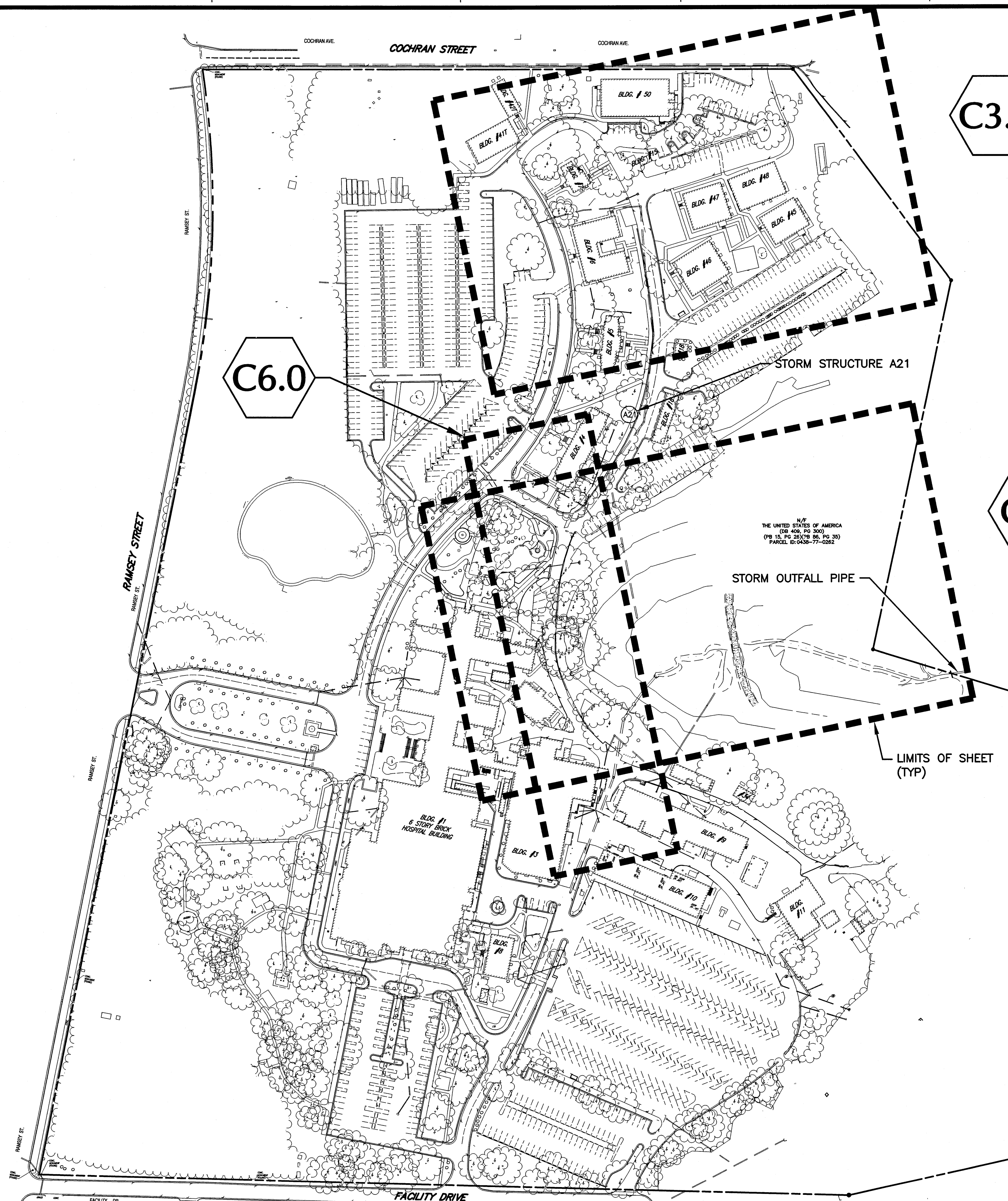
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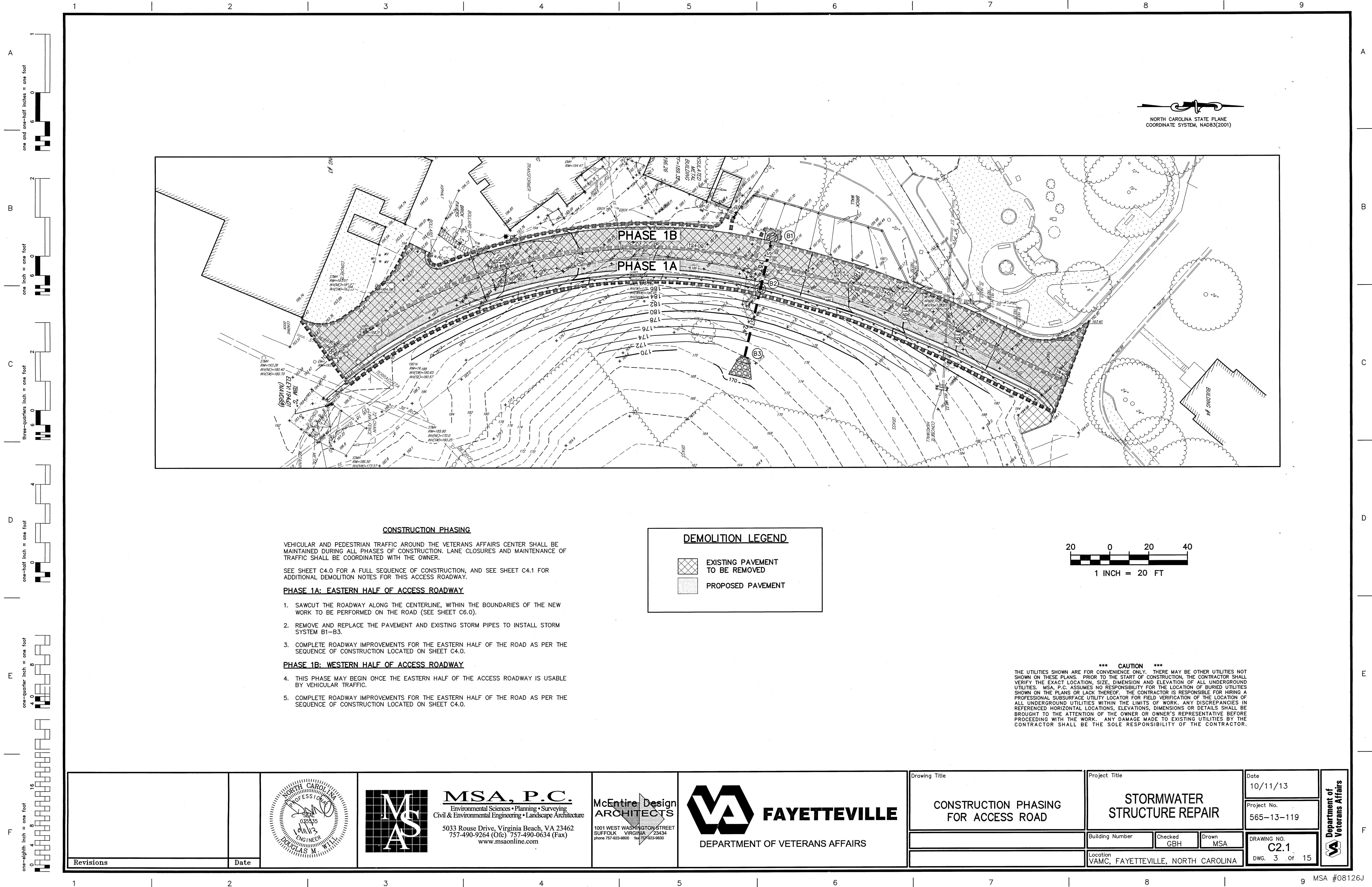
- THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE X AS SHOWN ON PANEL 0438J OF THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF FAYETTEVILLE, COMMUNITY NO.: 370077, DATED JANUARY 5, 2007. FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS APPROXIMATELY SCALED FROM THE FLOOD INSURANCE RATE MAPS FOR THE CITY/COUNTY INDICATED. MSA, P.C. IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD INSURANCE ON THE PROPERTY SHOWN. FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL. FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAMAGE.

GENERAL NOTES

- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, PC ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN NOR LACK THEREOF.
- THE CONTRACTOR IS RESPONSIBLE FOR HIRING A PROFESSIONAL SUBSURFACE UTILITY LOCATOR FOR FURTHER INFORMATION REGARDING THE LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES WITHIN THE LIMIT OF WORK.
- BEFORE START OF WORK, CONTRACTOR SHALL PERFORM TEST PITS IN ORDER TO LOCATE THE EXISTING WATER MAIN, SANITARY SEWER, ELECTRIC, GAS MAIN AND ANY OTHER BURIED UTILITIES WITHIN THE LIMIT OF WORK.
- ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ANY DISCREPANCIES IN REFERENCED COORDINATES, ELEVATIONS, EXISTING DIMENSIONS AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.

Revisions	Date					Drawing Title COVER SHEET INDEX OF SHEETS	Project Title STORMWATER STRUCTURE REPAIR	Date 10/11/13	Project No. 565-13-119	Drawing No. C1.0	DWG. 1 of 15	





1 2 3 4 5 6 7 8 9

A

one and one-half inches = one foot

B

one inch = one foot

C

three-quarters inch = one foot

D

one-half inch = one foot

E

one-quarter inch = one foot

F

one-eighth inch = one foot

A

B

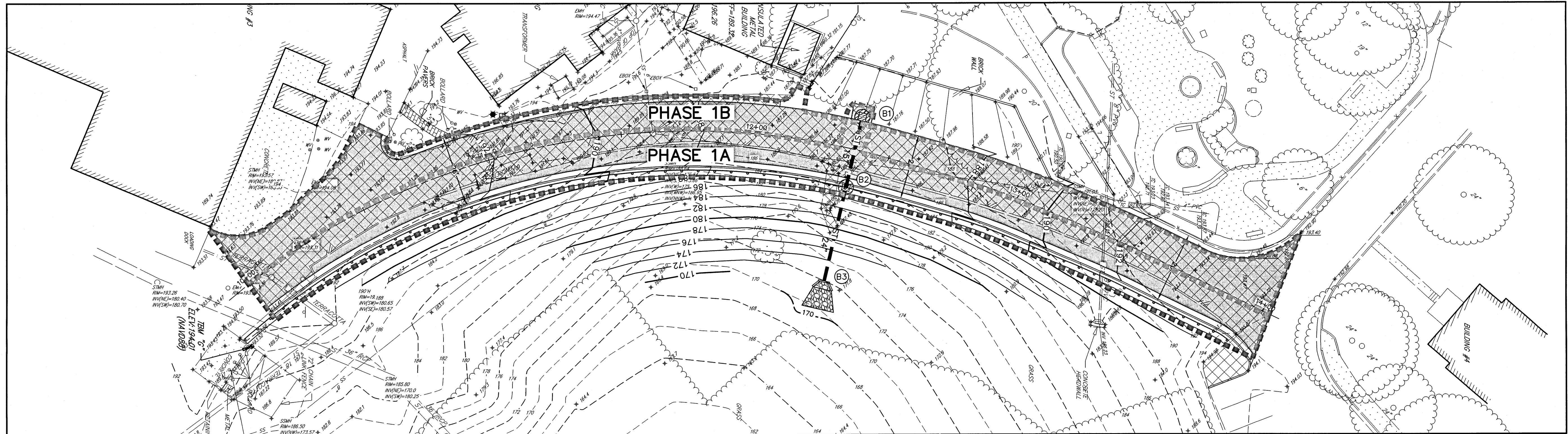
C

D

E

F

NORTH CAROLINA STATE PLANE
COORDINATE SYSTEM, NAD83(2001)



CONSTRUCTION PHASING

VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE VETERANS AFFAIRS CENTER SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. LANE CLOSURES AND MAINTENANCE OF TRAFFIC SHALL BE COORDINATED WITH THE OWNER.

SEE SHEET C4.0 FOR A FULL SEQUENCE OF CONSTRUCTION, AND SEE SHEET C4.1 FOR ADDITIONAL DEMOLITION NOTES FOR THIS ACCESS ROADWAY.

PHASE 1A: EASTERN HALF OF ACCESS ROADWAY

1. SAWCUT THE ROADWAY ALONG THE CENTERLINE, WITHIN THE BOUNDARIES OF THE NEW WORK TO BE PERFORMED ON THE ROAD (SEE SHEET C6.0).
2. REMOVE AND REPLACE THE PAVEMENT AND EXISTING STORM PIPES TO INSTALL STORM SYSTEM B1-B3.
3. COMPLETE ROADWAY IMPROVEMENTS FOR THE EASTERN HALF OF THE ROAD AS PER THE SEQUENCE OF CONSTRUCTION LOCATED ON SHEET C4.0.

PHASE 1B: WESTERN HALF OF ACCESS ROADWAY

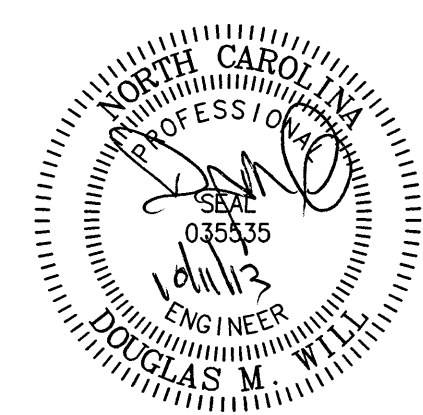
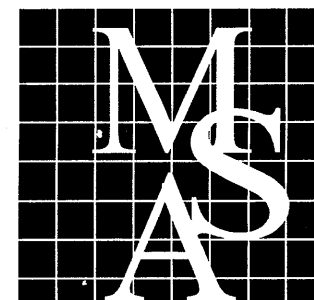
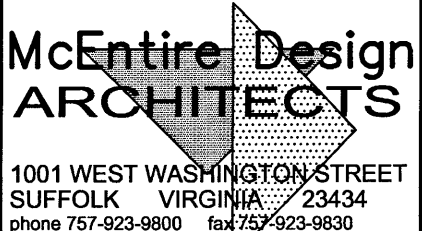


4. THIS PHASE MAY BEGIN ONCE THE EASTERN HALF OF THE ACCESS ROADWAY IS USABLE BY VEHICULAR TRAFFIC.
5. COMPLETE ROADWAY IMPROVEMENTS FOR THE WESTERN HALF OF THE ROAD AS PER THE SEQUENCE OF CONSTRUCTION LOCATED ON SHEET C4.0.

DEMOLITION LEGEND

- EXISTING PAVEMENT TO BE REMOVED
- PROPOSED PAVEMENT

20 0 20 40
1 INCH = 20 FT

*** CAUTION ***
THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR HIRING A PROFESSIONAL SUBSURFACE UTILITY LOCATOR FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

			 MSA, P.C. Environmental Sciences • Planning • Surveying Civil & Environmental Engineering • Landscape Architecture 5033 Rouse Drive, Virginia Beach, VA 23462 757-490-9264 (Ofc) 757-490-0634 (Fax) www.msaonline.com	 McEntire Design ARCHITECTS 1001 WEST WASHINGTON STREET SUFFOLK VIRGINIA 23434 phone 757-923-9900 fax 757-923-9530	 FAYETTEVILLE DEPARTMENT OF VETERANS AFFAIRS	<table><tr><td colspan="2">Drawing Title</td></tr><tr><td colspan="2">CONSTRUCTION PHASING FOR ACCESS ROAD</td></tr><tr><td></td><td></td></tr><tr><td colspan="2"></td></tr></table>	Drawing Title		CONSTRUCTION PHASING FOR ACCESS ROAD						<table><tr><td colspan="3">Project Title</td></tr><tr><td colspan="3">STORMWATER STRUCTURE REPAIR</td></tr><tr><td>Building Number</td><td>Checked GBH</td><td>Drawn MSA</td></tr><tr><td colspan="3">Location VAMC, FAYETTEVILLE, NORTH CAROLINA</td></tr></table>	Project Title			STORMWATER STRUCTURE REPAIR			Building Number	Checked GBH	Drawn MSA	Location VAMC, FAYETTEVILLE, NORTH CAROLINA			<table><tr><td>Date 10/11/13</td></tr><tr><td>Project No. 565-13-119</td></tr><tr><td>DRAWING NO. C2.1</td></tr><tr><td>DWG. 3 of 15</td></tr></table>	Date 10/11/13	Project No. 565-13-119	DRAWING NO. C2.1	DWG. 3 of 15	 Department of Veterans Affairs
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